

<b>Total Dissolved Solids</b> <b>SM 18<sup>th</sup> /19<sup>th</sup> /20<sup>th</sup> Ed. 2540 C</b>					<b>Page 1 of 1</b>
Facility Name: _____ VELAP ID: _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date: _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Are glass fiber filters used?	2540 C 2.a				
Is the filtration apparatus suitable for the sample volume and glass filter disk used?	2540 C 2.b				
Are the filters prepared by washing with three successive 20 mL portions of reagent-grade water?	2540 C 3.a				
Are the glass fiber filters inserted wrinkled-side up into the filtration apparatus?	2540 C 3.a				
If only total dissolved solids are to be measured, is the evaporating dish prepared by heating to $180 \pm 2^{\circ}\text{C}$ for one hour?	2540 C 3.b				
Are prepared evaporating dishes stored in desiccator until needed?	2540 C 3.b				
Is filtration completed in less than ten minutes?	2540 C 3.c				
Is sample volume chosen to yield between 10 and 200 mg dried residue for SM 18 <sup>th</sup> / 19 <sup>th</sup> Ed., or to yield between 2.5 and 200 mg for SM 20 <sup>th</sup> Ed.?	2540 C 3.c				
For SM 18 <sup>th</sup> / 19 <sup>th</sup> Ed., for low level samples (<10mg/L <u>total suspended solids</u> ), is a high-sensitivity balance (0.002 mg) used?	2540 C 3.c				
After filtration, is the sample rinsed with three successive 10-mL portions of reagent water?	2540 C 3.d				
Is suction continued for about 3 minutes after sample filtration is complete?	2540 C 3.d				
Is filtrate dried for at least one hour at $180 \pm 2^{\circ}\text{C}$ and then cooled in a dessicator?	2540 C 3.d				
Is the drying, cooling, desiccating, and weighing cycle repeated until a constant weight is obtained or weight change is less than 4% of the previous weight or 0.5 mg, whichever is less?	2540 C 3.d				
Are at least 10% of samples (or one per batch) analyzed in duplicate?	2020				
Notes/ Comments:					